

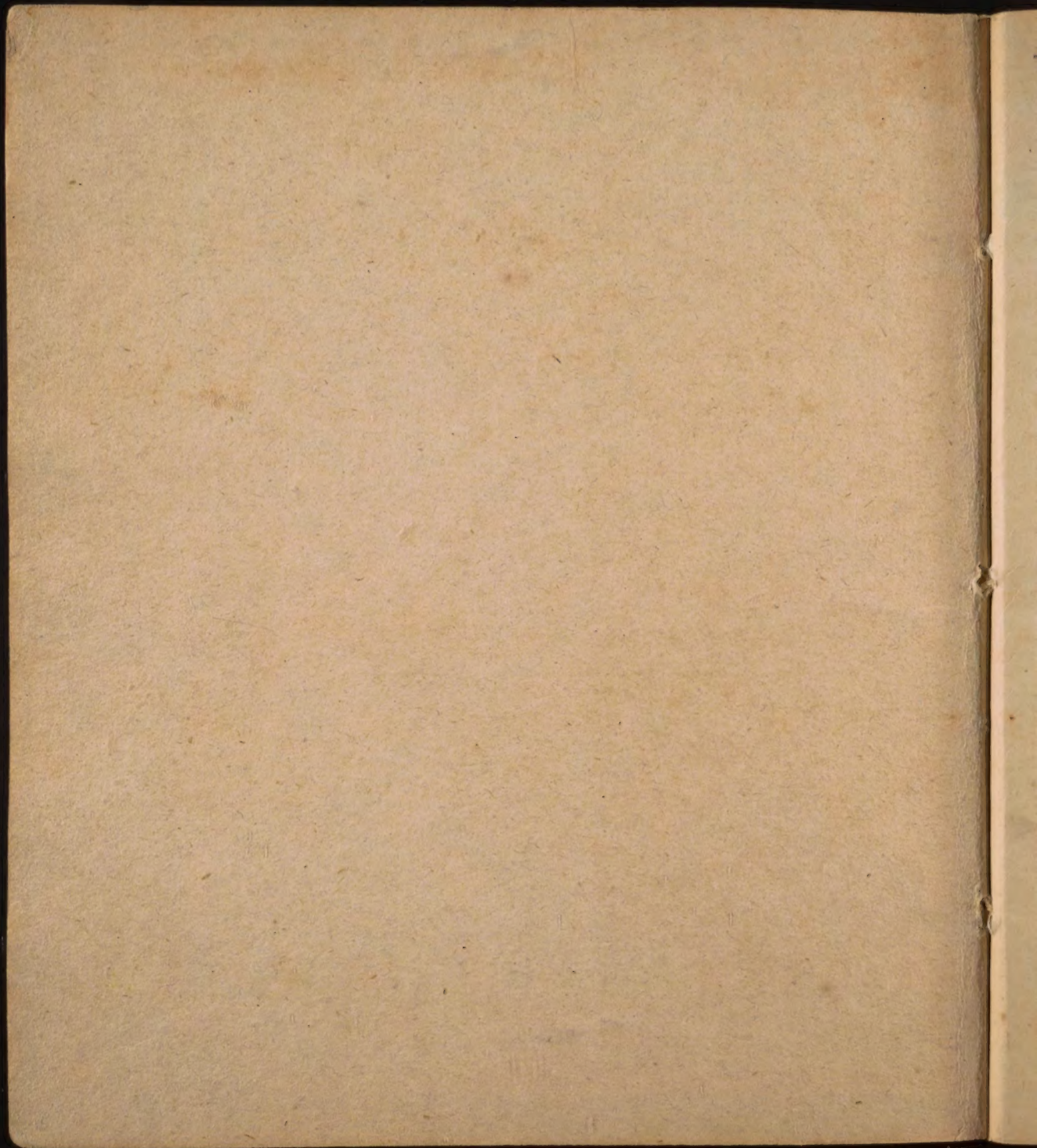
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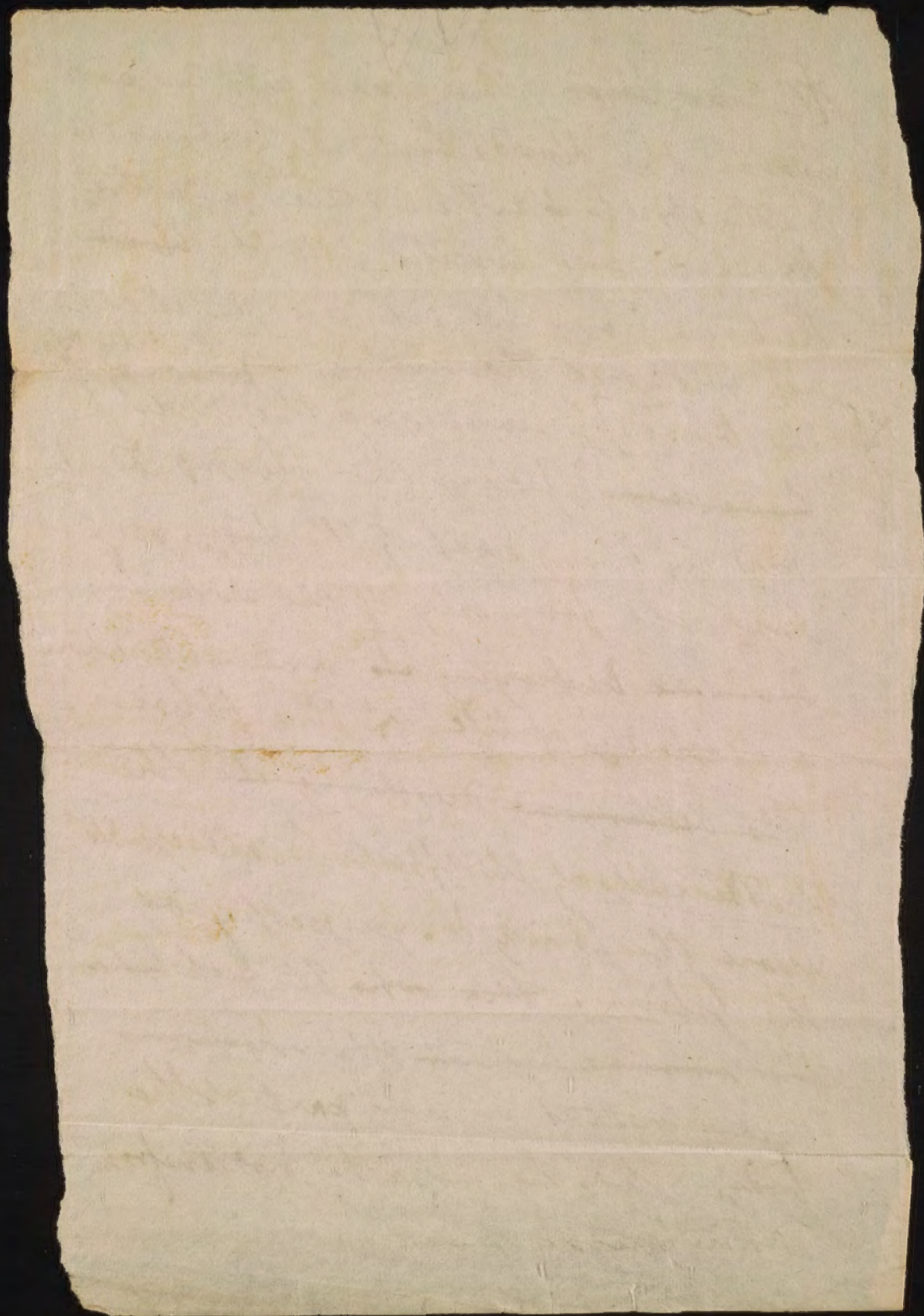
Diseases from Employments 329

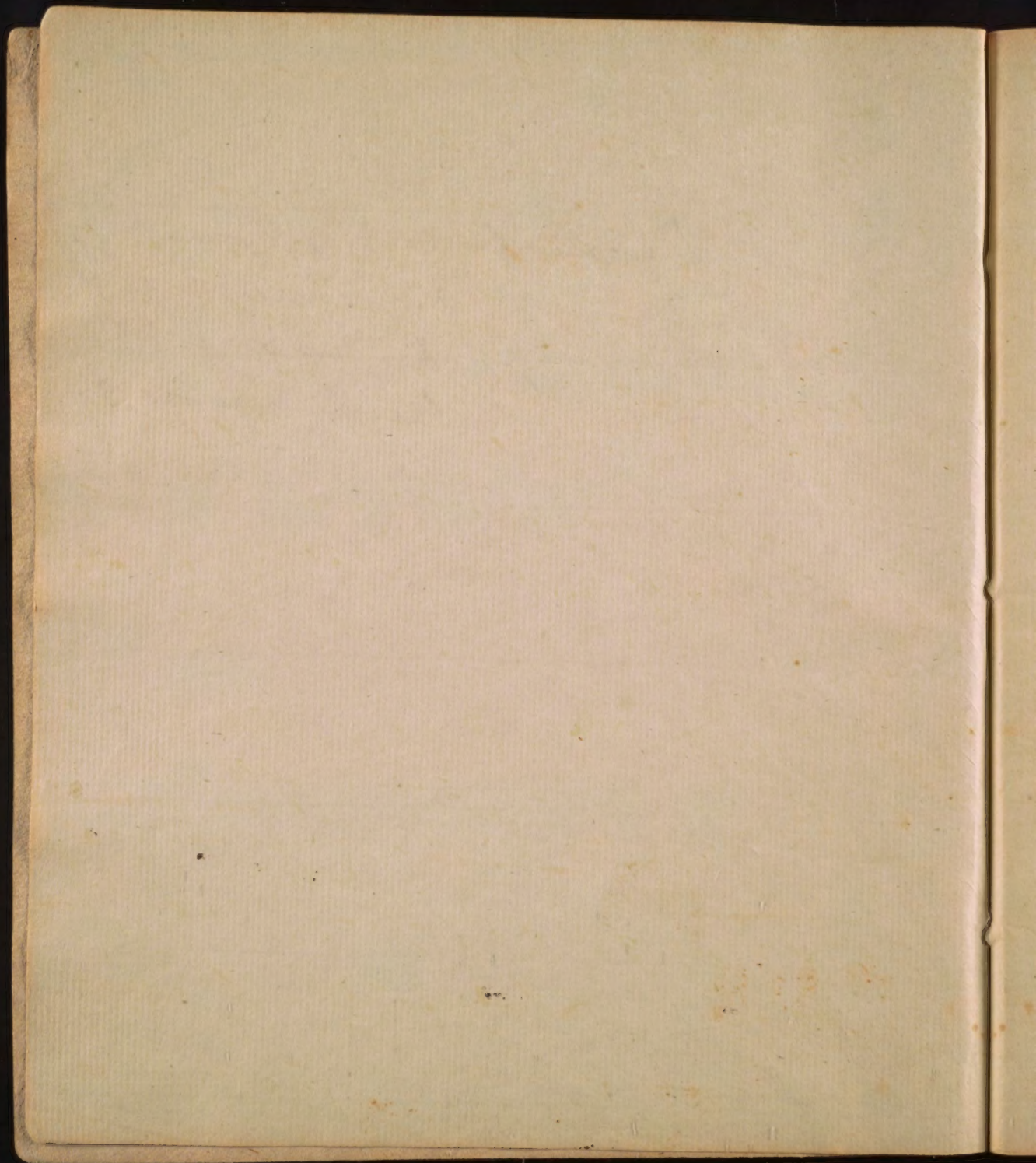
Amusements 328

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~~The blood~~ The Virus acts in part
 upon the blood, but it produces its
 deadly effects & when rec'd into the
 stomach and injected into the blood
 Return from which we see it can
 act without the instrumentality of
 the blood. I have said the ^{poison of the} virus of
 Lassa ~~said~~ dissolves the blood suddenly
 and in every part of the body. ~~It~~ I
 supposed formerly it did so by
 destroying its ^{the} animation
 or capacity of life, of the fibrin.
~~Its destroying dissolving it~~ The
suddenness of its effects I said depended
 upon the Unity & sympathy of
 the fibrin. ~~The whole~~ It Substitutes
~~the nervous system other systems~~
 in an instant in every part of the
 body. This sympathy not uniform
 as in pressure.

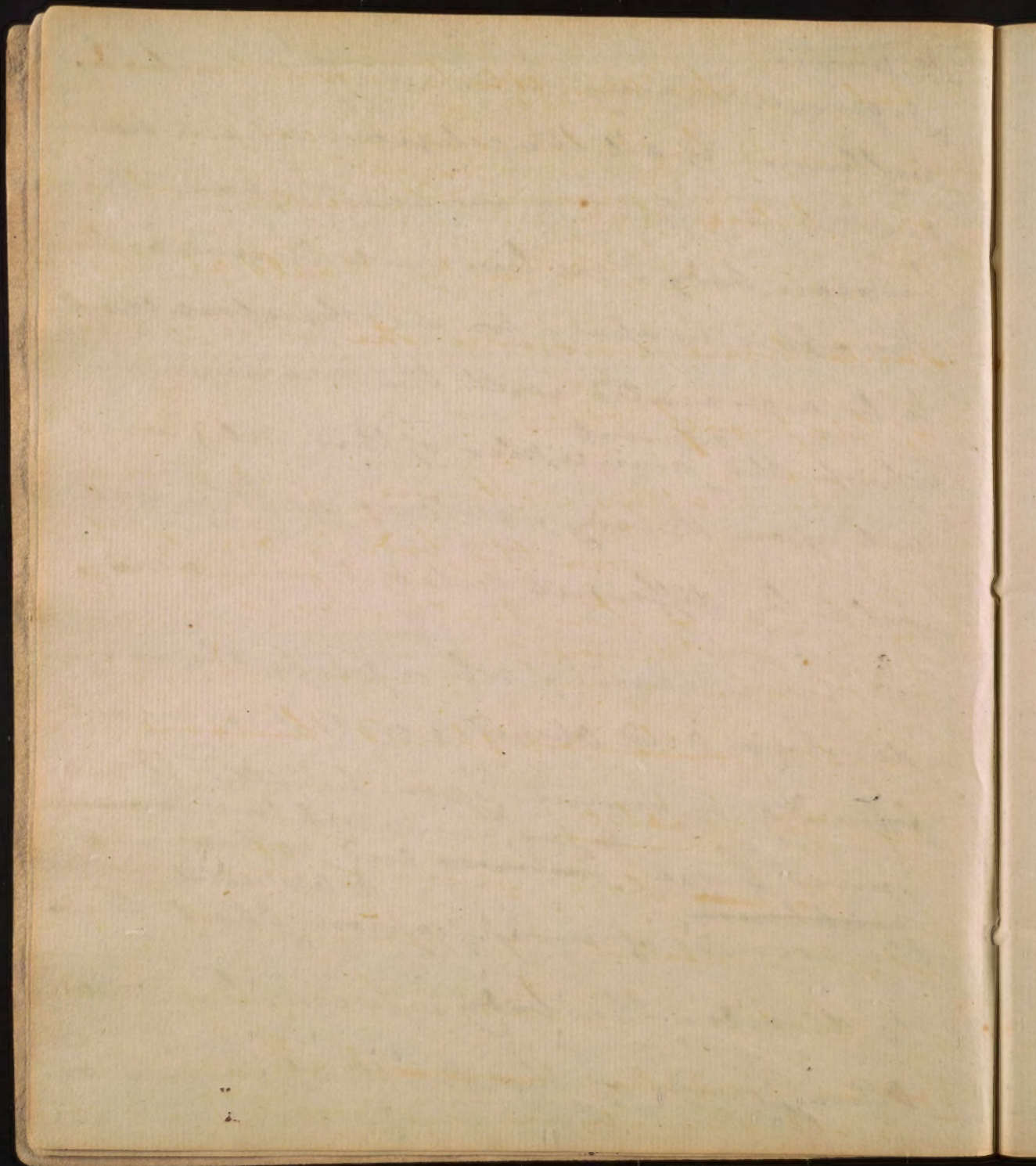




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It would
require many lectures to detail the
influence of all the religions which have
existed, & which now exist, upon the
human body. We live in a Christian coun-
try. It is necessary for us therefore chiefly
to be acquainted with the manners in
which the ^{different} principles of this religion
act upon the body, according as they are
held by different sects of Christians.

Christianity when perfectly un-
derstood, and obeyed, exerts the most
friendly influence upon health. It in-
spires hope - ^{& joy,} - universal love, ^{to friends}
~~restrains~~ ^{restrains} and ^{appetite}
~~the exercise of every passion~~ ^{that tends}
to disorder the body. Were there no
other proofs of the truth of this Religion



that its salutary effects upon the body,
 it would be sufficient to command
 our belief of it. ^{of course} A Physician who
 renounces christianity, should at the
 same time renounce the principles
 of his profession. —

The healthy influence of religious
 principles upon the body is one of the
 best tests of their truth. Every opinion
 or doctrine ^{therefore} which is unfriendly to
 health ~~is therefore~~ should therefore be
 rejected as false. —

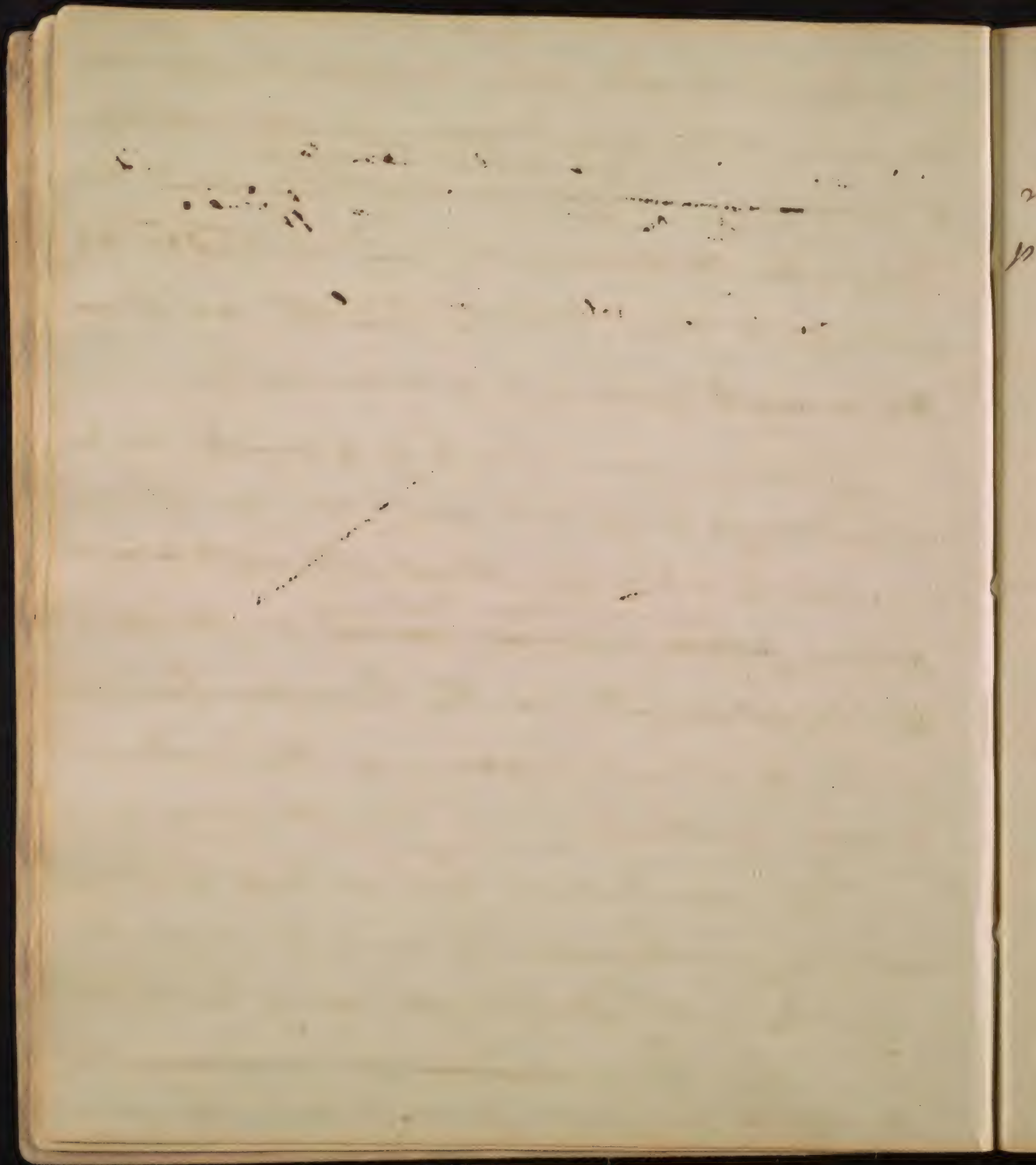
The ~~is~~ those systems of christianity
 which represent the supreme Being as
 partial in his love to his creatures,
 [or as vindictive ~~in his~~ & inexorable
 to all eternity in his wrath] have

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

produced in all ages & countries ~~the~~ ^{the} ~~melancholy~~
 diseases of Hypochondriasis - melancholly -
 & madness - ^{These systems therefore} ~~They~~ can not ~~therefore~~ be
true - for Christianity was intended as
 much to promote the health, as it was
 the moral happiness of mankind.

I have never heard of a single instance
 of madness or suicide ~~for~~ that has been
 ascribed to religion, that did not arise
 from ~~false notions~~ ^{principles that are} as foreign
 to Christianity as the human sacrifice
 of the ancient pagans or the modern
 Indian Nations. —

[Human Reason has at last overtur-
 ned the errors and abuses of Government;
 — The time I hope is not very distant
 when ^{it will} ~~the the~~ influence of tyranny shall
 level all the more pernicious errors



& abuses which have crept into reli-
 -gion - and when the ^{and} power of Priests over
 religious establishments shall cease to have any
~~the consciousness of even shall be as private~~
 power over the Conscience of mankind.
~~rather power of Kings over the property &~~
~~lines of the people of France.~~

Employments.

~~Those injure the body & according to the
 violence they offer it with respect to rest
 or motion - ~~labor~~ ^{is} according to the
 nature of the materials in which men
 labor. -~~

~~These produce diseases according as they are
 more or less influenced by the following cir-
 -cumstances. -~~

~~1 Excessive ~~intense~~ Labor. Farmers &
 day labourers often suffer from this cause.
 - These diseases are stiff joints, & premature
 old age.~~

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2 ~~Excessive motion~~ - as in ~~running~~ walking
 or running. Soldiers generally ~~has~~ acquire
 the Rheumatism sooner or later in life,
 & running footmen are exposed to all
 the diseases of the breast.

3 ~~Excessive~~

Employments.

The first employment of man was
 Agriculture & The next, consisted in
 building him^{self} a shelter from the
 weather. Both these employments
 give exercise to every part of the body,
 and that too in the open air. They
 are of course two of the most
 healthy occupations of man. In



proportion as he has receded from them by the progress of the arts of civilized life, he has become subject to many ^{new &} artificial diseases. I shall briefly mention them, as connected with all the occupations of man.

1 I shall speak of the occupations which are simply laborious.

2 I shall mention the diseases of Manufacturers -

3 I shall mention the diseases of the studious & liberal professions.

1 The farmer & Carpenter who labour in the open air, are subject only to accidents & fevers. It has been

[This disorder is as much a modification
of the Jail or Hospital fever, as it is
of bilious fever, turned in upon
the bowels]-

some people 322

reminded by that the carpenters are
the longest lived people of any mechanics
in our city.

2 Day labourers are subject to accidents,
fevers - ruptures - sore legs - Obstructed
viscera - Dropsies. —

3 Soldiers are subject to fevers - Dysentery
& Above all ^{to} the Chronic Rheumatism.

4 Sailors are subject to the same dis-
eases ^{as} as soldiers, and in addition to them
Scorbatic eruptions on the skin.

5 Servants male & female, are subject
to Catarrhs & Pneumonias. Coachmen
in particular are more exposed to
those diseases from being obliged so
often to wait for hours at the door

August 1st

Dear Mother
I received your letter of the 27th and was
glad to hear from you. I am well and hope
this finds you the same. I have not much news
to write at present. I am still in the same
place and doing the same work. I hope to
hear from you soon. I am your affectionate
son
John

of their masters in cold & wet weather.
 The servants of the Kings of Spain ^{are} ~~were~~
 much afflicted with nephritic com-
 -plaints, but on ly being obliged to
 stand constantly in the presence of
 their Royal masters.

2 manufacturers ^{mechanics} suffer not only from
 leading a sedantary life, deprived frequently
 of fresh air, but from the materials
 in which they work. —

weavers are subject to dyspnoea —
 Asthmas — & Hypochondriasis. I once
 passed a day at Paisley ^{(a great manufacturing town in}
^{Scotland)} which happened
 to be a holiday, and out of near 1000
 weavers whom I saw in the streets,
 or at play, I did not see one who

✓ of their eyes upon small objects.

^{not} had a pale face. Dr Gothergill informed
me that most of the chronic patients
whom he saw in the London hospitals
while he was a student of medicine, were
Spittlefield weavers. —

Watch & clock makers & silver smiths —
all suffer from the want of Air & exercise.
They likewise suffer from the constant exercise ✓
Taylors & shoemakers suffer not only
from their sedentary lives, but the position
of their bodies. It is remarkable that those
parts of the body which are exposed to
exclusive exercise, become ^{disproportioned} ~~enlarged~~ in
proportion of size, to the rest of the body. Eg.
The Glutei muscles in a shoemaker,
& the Gastrocnemii muscles in a
Taylor are much larger than in
persons of the same size of other

V Sir John Pringle saw a stone cutter
affected with a palsy from only
handling the lead that is employed in
cementing the pieces of stone together.

Dr Franklin's fingers became numb;
from handling his types After he
had warmed them by placing them
upon a stove. I have seen a printer
in our hospital whose fingers were
~~paralytic~~ paralytic from no other cause
than the action of the lead contained
in his types upon them. The men
& boys who work at the type foundry in
this city are ~~subject to certain~~ pale & subject to
costiveness, & want of appetite. They can stand
only at their work, and are thus exposed to
the vapor of the metals of which the types are

occupations.

Bakers who ~~work~~ frequently work during the whole night, & in cellars, are subject to pulmonary complaints. It has been computed that the ^{of a Baker} average life in London is only three years. They are most subject to malignant & contagious diseases. Smiths of every description who work in metals alternately exposed to heat & cold air are subject to inflammatory diseases.

The materials in which men work often produce diseases. & of Lead. It is impossible to handle this metal in a manufacture of any kind without contracting a disease from it. ✓ See in Pringle's story of the Stone Cutter & Dr. Hare's of the warren types. - The printer in the hospital. 1800

Studious people suffer not only from the inordinate exercise of their understanding

made, which are made of 1 part of lead &
from $\frac{1}{4}$ to $\frac{1}{6}$ of Regulus of Antimony.

V perhaps from ^{retaining} ~~suppressing~~ a desire to
~~their~~ ~~make~~ water ^{are} often troubled with
the gravel & stone. Printers who work
in the upper stories of houses and at
suffer from the same cause. Dr. Sydenham
ascribed the foundation of the stone
which ~~he~~ ^{afflicted} himself in the evening
of his life, to a neglect ^{to} of discharging
his water when engaged at a distance
from a suitable place to evacuate it.

+ Perhaps ^{this may be} ~~than~~ ^{of some of them.} ~~more~~
common among Catholics than protes-
tant Clergymen. ^{But} ~~only~~ 5 papes out
of 300 have lived to beyond 80. That
the sedentary & solitary lives of the Catholic

also
 Cut from their sedantary lives. — the
 Dyspepsia has long been called the morbus
 studiorum. Judges from sitting long and
~~Physicians~~ ^{Clergymen are likewise} ~~Physicians & Divines are~~

also to Dyspepsia
 exposed to this disease more than any
 any other class of literary men. Did they
 like the divine Author of their religion
 spend more of their time "in going Ab^t
 doing Good" instead of spending whole
 days in their Courts in composing
 rules to be good, they would escape all
 the maladies to which have been conne-
 ct^d with their profession]

Lanagers & Physicians, by blending
 exercise with study have in all ages
 & countries, escaped many of the diseases
 to which other literary people are

Clergy contribute to their Diseases; I infer from
the protestant Clergy being ~~more~~ ^{more} healthy who
many live in families and lead more
active lives being more healthy & long lived.
of 1000 Clergymen who subscribe to the
widows fund in Scotland but ^{one in} 29 dies
yearly, that is but 2 $\frac{1}{2}$ in an 100.

[I had caught two colds from be-
-having in the chemical room
exposed to the heat of a stove & a
current of cold air.]

✓ Surgeons are subject to a paralysis
of their right hands. I have seen one
case of this kind. For further informⁿ.
on this subject see Rammann on the
Diseases of tradesmen. [I shall only,

subject. Bishop Burnet remarked y:
 the lawyers were the longest lived people
 of any class of men in England. He
 ascribes their longevity to their regular
 & gentle exercise in attending the Affairs.
 Ramazzini says ~~that~~ connects longevity
 likewise with the profession of Physic. To
 their constant exercise, he might have
 added that they know better how to
 take care of their health than other
 people. The proof in point of this remark
 Quot. is our change this day of the place
 of our meeting together. Physicians who
 ride much on horseback are subject to
 costiveness - the piles & fistula in ano. The
 late Dr Jones informed me that he had
 cut 3 Country Physicians for y^e disorder
 in the course of his life. — ✓

add to this subject - that the minds of
men are much influenced by ^{their} professions
& occupations - thus we see dangers make
Sailors & Soldiers bold - authority - despotic
& killing animals - cruel. —

Diseases from Amusements.

a predisposition to Disease is often induced by ^{it}.
~~The first that I shall mention~~ is indur-
 ability ^{of} ~~from~~ fatigue. This I have uniformly
 observed to be ^{much} greater from the pursuit
 of pleasure than from labor of any
 kind. I have heard many people com-
 -plain, of being unable to sleep after
 spending an evening at a dance, but
 owing to fatigue reducing the system below
 the sleeping point, but I never met w.
 an instance of an inability to sleep
 after the labor of ^{even the} ~~hardest~~ ^{field} itself. From
 this fact, it would seem, that heaven
 was less unkind to us in the Curse
 of labor, than we are unkind to



involves in our Attempts to extract
a blessing from our pleasures. —

2 Amusements are hurtful ^{especially to women} from the
violence that is done to the system by
standing an hour or two before a looking
glass, ~~and~~ sitting the three hours un-
der the hands of a hair dresser & frequent-
ly in a cold room. — also from the
change of Dress - ~~often~~ most commonly
from a ~~warm~~ ^{thick} to a ~~cold~~ ^{thin} one, in order
to favour ~~an~~ elegance & neatness in
the shape of the body. —

3 They are hurtful from the crowds
which are often heeded together in
one room, where the air is soon
vitioliated by breath & candles. From

Let not this fact be used as an
argument in favor of the Influence
Spreading by Contagion. To suppose
a Catarrh can be produced by but
one remote cause, is as erroneous
as to suppose that a pleurisy can
arise only from Cold. We see it from
Gout - from the measles - the smallpox
& even from Wounds & Contusions
of the Breast. -

this circumstance, ^{misconceive} ~~misconceive~~ ^{suspect} ~~misconceive~~ ^{I believe}
~~is they are a contagion~~ ^{which creates}
 are often engendered ~~which creates~~
~~not to be taken in of fear of a mild pre-~~
 sence of Catarrh or Influenza. I was
 first led to make this remark by ob-
 serving that these local ~~city~~ catarrhs
 seldom appear till near Christmas w:
 is the signal for the commencement
 of ignoring - and feeding parties in
 all cities, and that the more frequent
 these parties are in a winter, the more
 certain, and the more universal are
 these Catarrhs. ✓ But further - public
 amusements produce diseases according
 to the nature of the ^{exercises} ~~exercises~~ which
 are blended with them. ~~✗~~
 4. Dancing by ~~overheating~~ often produces



diseases from fatigue or ~~indirect~~ debility.
 - I have known one instance of a man
 who ~~to~~ drop down dead in an apoplexy in lea-
 - ding down a country dance, & another
 of a young lady of ^{years of age} 14, who felt the first
 symptom of an aneurism which finally
 killed her in from the same cause.
 - But the most frequent disease produced
 by Dancing is a Catarrh from exposing
 the ~~body~~ ^{body} immediately after being fatigued
 & heated to the action of Cold Air. -

5 Cards are stimulating, or sedative to
 the mind & body ^{according} ~~according~~ as people play
 for ~~lose~~ money, or to get rid of that
 worse of ^{all} pleasures to idle men - called time

6 The Theatre acts upon the body in all
 the ways that public parties act, with ^{but}

...

...

... 22

with the following additional circumstance.

It disposes to nervous diseases. This ~~has~~
 appears from some facts lately published by a
~~German Author~~ who proves that nervous diseases have
 ever kept pace in all large cities with
 theatrical entertainments. I believe
 it, because I think the fact may be
 easily be accounted for. Lacedius excites
^{vicious} Sympathies - but they never to prompt
 to ^{vicious} Actions. We admire - we lament
 & even weep over suffering Virtue, but
 we sit still in our ^{seats} ~~seats~~, & never
 lift a hand or foot to relieve that
 Virtue. The passions after being thus
 swelled, without an external vent,
 - recoil upon themselves & pour all
 this ^{force with in an} ~~force~~ inverted & irregular direction



upon the mind & body. ~~The people~~
~~never come under the~~ of the
~~effect of the~~ From this
 retrograde action of the passions men &
 women have often fainted at the ex-
 hibition of a tragedy. I will recollect
 that I was so agitated after seeing the ~~body~~
 character of King Lear performed by a masterly
 Player, that it threw me into a fever
~~the~~ & kept me awake ^{for several hours} during
 the night afterwards. It is remarkable that the
 distress which we relieve, never produces
 any such commotions in the body or
 mind. On the contrary, the mind feels
 like the body ~~after the~~ ~~agitation~~
~~of a fever~~ after the
~~removal of the~~ abstraction of the stimula-
 ting degrees of heat by a northerly breeze

✓ The violence which is done by the System
by suppressing the emotions of Sympathy
excited by tragedies, may be easily be conceived
by their effects upon vulgar & ignorant
persons who are strangers to the habits of
restraining their feelings. Louis of Highlander
Emaculate & sailor & Lord Essex.

The frequency of homicide in Eng^d
has been ascribed to the ^{partiality} ~~partiality~~ of
Englishmen for tragical representa-
-tions upon the Theatre.

on a summer evening. In the state
 of the system which has been described in
 beholding a Tragedy, ~~we feel~~ the mind and
 body suffers as much by the ^{resuscitation} ~~Damning~~
~~and soft~~ of the passions, as the body
 suffers by the sudden retention of ^{the} ex-
 cretions ^{of urine or feces} ~~which~~. After the exhibition
 of diuretics & purges. — V

It is alike foreign to my professional
 disposition to say any thing of the morality
 of the Stage in this place - but one
 thought obtrudes itself upon me, w^{ch}
 is so nearly related to a principle I have
 often inculcated in medicine that I
 hope I shall be excused in men-
 tioning it.

Tragedies it is said promote sym-
 pathy - Charity & benevolence. I deny

15 Thus persons who are in the ^{daily} habit
of drinking Ardent Spirits are unable
to ~~feel~~ the relish of small beer, or even
Madraia wine.

the truth of this ³³⁵apertion. The distress ^{ch} is exhibited in tragedies is so far beyond what occurs in real life, both with respect to the rank of the persons who suffer, & the degrees of their sufferings, ~~that~~ that it ~~has~~ excites impressions upon the mind ^{so violent & acute as to} ~~which~~ under it ever afterwards more or less insensible to the less violent impressions of Natural & humble distress. That this is the usual effect of tragedies upon the mind, I infer, not only from the truth of the principle which has been delivered, but from ~~many~~ observations made upon persons who are most devoted to stage entertainments. The Lady who will weep & sob for an hour over the sorrows of a ~~same~~ ^{same} Shore, or

V That stage entertainments such as I
have described do not soften the heart
or dispose ^{it} to virtuous sympathy. I infer ^{further} from
from an event which took place in
2nd evening. ~~Two days after~~ ^{two days} ~~after~~ ^{after}
~~our city~~ ^{our city} ~~lost~~ ^{lost} ~~between~~ ^{between} ~~two~~ ^{two} ~~days~~ ^{days} ~~after~~ ^{after}
~~our hearing~~ ^{our hearing} ~~the~~ ^{the} ~~news~~ ^{news} ~~of~~ ^{of} ~~the~~ ^{the} ~~loss~~ ^{loss} ~~of~~ ^{of} ~~about~~ ^{about} ~~100~~ ¹⁰⁰ ~~valuable~~ ^{valuable} ~~lives~~ ^{lives} ~~by~~ ^{by}
~~the~~ ^{the} ~~news~~ ^{news} ~~of~~ ^{of} ~~the~~ ^{the} ~~loss~~ ^{loss} ~~of~~ ^{of} ~~the~~ ^{the} ~~last~~ ^{last} ~~conflict~~ ^{conflict} ~~of~~ ^{of} ~~the~~ ^{the} ~~24~~ ²⁴ ~~of~~ ^{of} ~~Decem~~ ^{Decem} ~~1811~~ ¹⁸¹¹.
the theatre at Richmond ~~on~~ ^{on} the 24th of Decem^r 1811.
At ~~that~~ ^{that} ~~reached~~ ^{reached} ~~our~~ ^{our} ~~city~~ ^{city}. ~~that~~ ^{that} ~~on~~ ^{on}
~~the~~ ^{the} ~~very~~ ^{very} ~~evening~~ ^{evening} ~~when~~ ^{when} ~~the~~ ^{the} ~~representatives~~ ^{representatives} ~~of~~ ^{of} ~~the~~ ^{the} ~~whole~~ ^{whole} ~~nation~~ ^{nation} ~~met~~ ^{met} ~~by~~ ^{by}
~~an~~ ^{an} ~~act~~ ^{act} ~~of~~ ^{of} ~~our~~ ^{our} ~~government~~ ^{government} ~~putting~~ ^{putting}
on mourning for the ^{Dead} ~~Deceased~~, and when
thousands in every part of our country
were weeping in secret for the ^{Son} ~~persons~~ ^{sons}
of the living, two ^{of} ~~our~~ ^{our} ~~theatres~~ ^{theatres} were

A Lord Essex will often deny her servants
 the recompense ^{of life,} ~~and~~ ^{will} ~~then~~ hear with-
 out emotion the tale of a family ruined
 by fire, or war - and drive a halp-
 clad & shivering beggar with haughty
 indignation from her door! -

There are Amusements of another
 kind, which are pursued in a more
 solitary manner, which dispose to
 many diseases. -

many of the Sports of boys produce
 broken & dislocated bones, & dispose by
 thus expose to fevers of every kind.

The Amusement of Hunting, lays the
 foundation of many diseases; by the
indirect debility produced by violent &
 long continued exercise ^{whether in} ~~by wet feet~~
 riding or walking. 2 by the long continued

= crowded with the lovers of the Drama,
that and one of them so such a degree
as not ^{to receive} ~~admit~~ several hundred persons
who applied for admittance into it. ~~taken~~
Jan^y 6. 1812

Action of Cold or Heat or the Alternate
Action of both on the body. 3 by wet
feet. 4 ~~through~~ - 5 The morbid stimulus
of a full meal, after the system has
been rendered excitable by ~~danger~~
- cold - or fatigue. - ~~It~~ Some of
the most acute & dangerous fevers that
I have ever seen have been brought
on by ~~this~~ the amusement of hunting.

mentioned formerly a case of
Hydroceph^{us} internus ~~seen~~ in a boy
from standing on his head. -



Peuliar Customs

The folly & ~~madness~~ ^{or Superstition} of a few ~~people~~ ^{people} elevated by accident or force above the rest of mankind have given a currency to many absurd Customs ^{ch} which have a pernicious influence upon health. I shall briefly enumerate a few of them. —

1 Drams in a morning. These were introduced originally ~~as~~ anti-fogmatics in damp countries. They destroy the tone of the Stomach — suppress the Appetite for food — and finally lead to drinking Spirits every hour of the day & night.

2 Drinking Wine & Bitters before Dinner.



They are improper in every view we can take of them. If the appetite ^{be} already good - they ^{either} ~~either~~ ^{weaken} ~~destroy~~ it, ^{or} ~~or~~ excite it ^{too} ~~too~~ highly ^{but} If the appete be enfeebled by a disease, they ~~excite~~ produce a degree of appetite disproportioned to that disease, and thus lay a foundation for Dyspepsia - and a train of nervous Diseases. -

3 The Custom ^{among women} of receiving company in Visits.

After the debility lost on by parturition, ^{it must certainly be very injuri-} ~~tion, and being less~~ ^{ous} to the female constitution to spend an hour or two every afternoon in dressing to receive company, ~~and~~ afterwards to sit in 3 or 4 hours in one place exposed to the clangor of

h

15, or 20 female voices, all charged w:th
news disproportioned to the strength of
the Lady's system who is the subject of
these visits. — ~~This fashion ~~has~~ ~~has~~ ~~has~~~~
has been a great measure paid away.
4 The Ringing of Bells at funerals. This
Custom was introduced in the ages of
paganism — as a signal to pray for the
 repose of a departed soul. It is high
time to banish it from protestant
countries, not only because ~~of the ill~~ ^{it does}
~~the dead no good,~~
~~sanctity of its origin,~~ but because it
does ~~the~~ ^{the} rich, and the low spirited people
much harm. —

5 But all these customs Absurd, and
injurious as they are, are limited in
~~their~~ their influence, compared with
the general use of Tobacco in the by
chewing — Smoking — & Snuffing. [Agas



Observations upon ^{3.41} its effects upon the
body shall close this head of our syllabus.

see Pathological lectures & for an
out of my opinions upon the use
of this weed, I refer you to a vol.
of philosophical literary Essays
lately published by Mr Bradford in
this city. I wish my opinions upon
that subject to be adopted by all my
pupils, and that they may be known
in every part of the world not less
by this ~~abhorrence~~ ^{not} abhorrence of
~~the use of~~ ^{the use of} spirituous liquors &
tobacco, than by this extensive
and accurate knowledge of ~~the state~~
of the pulse ~~is ^{rather}~~ and their accom-
modation to its different states in all
their prescriptions.



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On the Diseases from unhealthy
ancestors.

With the Shape, features, & temper,
of parents, we often find diseases
transmitted to Children.

They are divided into congenial &
hereditary. The first appears imme-
diately after ~~the~~ birth. They are the
venereal disease - the small pox &
~~the Plague~~ & the yellow fever.
measles. ~~if the first is very common,~~
^{the two last are}

& generally prove fatal in a month.
Instances of each of the ~~small~~ congenial small
pox & measles have ^{Dr. Ruppel says}
happened in this city. Besides these
many Children were born with the
3 ~~disease~~ plague at Aleppo, and ⁴ none of
them survived it. I have no



proofs of the Influenza being a congenial ^{case} disease, but I could produce many of its disposition like the plague to produce abortions in pregnant women.

Besides these diseases, there are many congenial deformities of body in children as hair lips - crooked limbs - virgofortis arms - and urinary passages - and a ^{statelongth of the} preternatural ligament under the tongue.

The hereditary diseases ^{depend} may be upon two things viz - Shape and ~~both of~~ disposition ~~both of which~~ ^{temperaments}, of which are often transmitted from parents to children, ^{by the consumption} and ~~into their~~ - the mad rags are often influenced by a peculiar shape of the breast in the former, & of the head in the latter

+ It has been remarked that a ~~farmer~~ ^{to children} of the
eyes & forehead in children often exposes them to be
victims of this disease.

v one a black boy 3 or 4 years of age
Jan^y 1799.

In addition to the hereditary diseases that have
Homesicks, Rheumatism, Gout, head ach - Colic,
been named, there are ~~some~~ ^{some} others viz. Dropsy &
Scrophulous ^{liver} ~~blindness~~ ^{blindness} & sores legs and high lips - four
cancer - ~~and one leg~~ ^{the last 1/2 of the}
in one family in Bucks County.

[F. In^o Hilyard in Pennsylvania: Hospital Dec^r
1806 - aged ~~68~~ ⁶⁸ 60. Father & two Brothers
all but one above 60

^{known}
I have ^{known} Blindness to descend three several
generations in old age. See too in
Isaac Smith's family only between 60 & 70

case. They more certainly appear in children when they are connected with the ^{pre-dispositions} ~~temperaments~~ which produce those diseases. +

Consumption is often derived from the father - ^{but} I think I have known madness to be derived more frequently from the mother. - It is remarkable that the Consumption ^{never} appears till 20, or 21 - and madness seldom till before that period in which

it affected the parents. (Trait of gout: Montgomerie) - It seldom appears before manhood. ^{Two} ~~one~~ instance only in our hospital. The transmission of the Gout from the contrary: ^{to} parents to their children depends upon a mixture of an excitable nervous & arterial. ~~the sanguineous system~~ ^{the nervous} system called nervous & sanguineous ~~temperaments~~ ^{pre-dispositions}. It

34
Besides congenial & hereditary diseases
there what ^{I have} are called filiat
~~rearing~~ ^{filiat} ~~in~~ family diseases. These are ac-
quired by a whole family of children
~~associations of servants from~~ probably
the same of diet - air - exercises - or
employments. I have known the Epilepsy
to affect 3, ^{the} & palpy 4 of ~~the same family~~
- & a disposition to hemorrhage 5 or 6, &
~~and consumption~~ of the same family
of children ^{where neither of the parents}
~~& consumptions not only~~
or any of their ancestors were affected
by those diseases. The Consumption in
like manner affects not only a whole
family of children in the first instance,

presumably appears in early life, and in both
phases. where it has not found time
to appear in the form of a regular
gout, it appears in ^{Dyspepsia} ~~gout~~ - ^{inflamm} ~~gout~~ -
-preondriasis. & sometimes ~~exacerbation~~ ^{exacerbation}.

In most of the early chronic dis-
-eases of persons ^{descended from gouty an-} ~~cestors~~ ^{cestors} is ~~gouty~~ ^{life} are
metamorphosed hereditary gout,
a ^{life} ~~part~~ of the intemperance in

persons thus predisposed, will bring
on the gout than in persons who have
not that hereditary predisposition.

~~The Syphilis & Leprosy are both
hereditary diseases.~~

It is remarkable that All these
diseases often pass by the first and.

Neuroses.

One of my publications I have
 In an ~~early lecture~~ I planned that fevers
 - Casualties - war - old age were the
 only natural outlets of human life. I
 consider Fevers as the only original
 They affect the arterial system
 & natural diseases. They are the offspring
 chiefly, & ~~this~~ ^{are} the outposts of the whole
 of ~~the~~ simple manners, and appear most
 frequently ~~in the~~ among Savages, or in
 the first & simple ages of society. In propor-
 tion as men advance in ^{the modern arts of} civilisation,
 Fevers diminish, and their places are
 occupied by venous diseases. - 66,000 per-
 cent ^{out} of 100,000 who died in London in Dr
 Sydenham's time perished wth fevers;
 - at present the London bills of mortality
 inform us that not more than $\frac{1}{6}$
 part of that number perish with those

+ The ~~Consumption~~ is ~~likewise~~ a modern
disease in this part of the United States. Our
V Ancestors inform us that the causes which
now induce ^{Consumption} ~~it~~ formerly produced only
the more acute but less dangerous diseases
of pneumonia & Rheumatism. This, must
~~likewise~~ be ascribed to the change which
has taken taken place in our manners
within the last 50, or 60 years. But ^{the} ~~further~~
influence of civilisation upon
diseases will appear in a stronger
light if we turn our eyes to
Great Britain. The Gout ^{wh.} is in
this Country so generally inflamed in
Britain is a few degrees of public fiction. &
~~confined chiefly to the Venereal~~ seldom appears

✓ ~~It is~~ It is said the skin is ~~conveyed~~
 chiefly from the father, and hence I
 have heard that a child begot by a black
 father upon a white mother, always has
 a darker skin than a child born of a
 black mother by a white father.

being so conspicuous

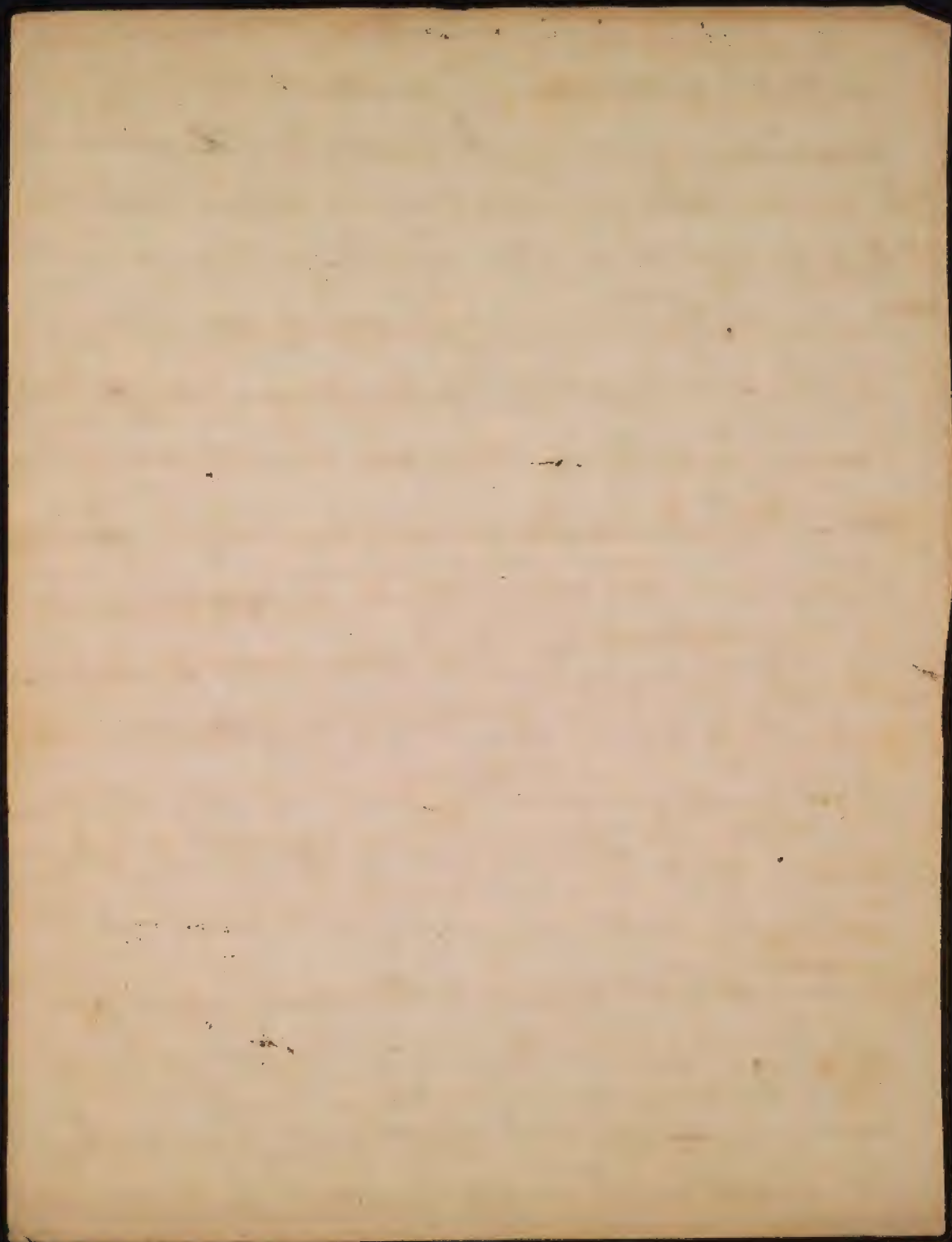
✓ Lancisi saw undue dilatation of the
 right ventricle & auricle of the heart in
 four successive generations.

Delius says he saw a contraction of
 the hands & lips from cold conveyed
 thro' several generations ^{Descent} in
 the first instance from a girl born
 of aged parents. ~~back to 3570~~

appear in the 3rd Generation. The
 Leprosy Dr. Swil says in Iceland frequent-
 ly ~~also~~ disappears in the 2^d & 3rd and
 appears in the 4th Generation. ✓

The color of the skin ^{whether ~~un~~ healthy} ~~and~~ ^{is} ~~seen~~ on
 natural, is transmitted ^{this a long} ~~from~~ ~~generation~~
 Succession of Generations. The family of
 the Henrys in Ireland ^{have had fair} & of the Hamiltons
 in Scotland ^{Dark coloured} skins as far back as they
 can be remembered. This fact will ~~also~~
 admit of an important application
 hereafter in explaining the dark color of the
 negroes. ^{from the influence of} ~~the influence of~~ ^{predisposition} ~~transmission~~
 or ~~these~~ as a Union of both many
 diseases descend from parents to Child^{en}
 which are ~~not~~ ^{cases} enumerated among
 hereditary diseases. As Rheumatism -

Natural diseases. - I recollect the time when
~~Cerebral apoplexies - palsies - & hysteria - & Hippocri-~~
~~& most other nervous diseases were much~~
~~less frequent in this city than they are at~~
~~present.~~ ^V Fevers have not only diminished
 in their proportion of the number of dis-
 =cases, but have changed their types. ⁺ The
 late Dr Cadwal^r informed me ⁺ ~~when~~ he first
 settled in this city (perhaps 50 years ago)
 the ^{or chronic} new fever was not known among us,
 - for this fever derives its typhoid, and
 obstinate character, from a debility in-
 -duced upon the system by the progress of
 intemperance or refinement in Society. ⁺
 The Inflam^d Gout is the evanescent form
 of fever from stimuli which formerly
 produced a simple inflam^d fever. Even
 its inflam^d form has I believe nearly



va sameness of diet, exercises, air, or
employments. I have known the Epilepsy
to affect 3, the palsy 4 - ^{to hemorrhage} and a disposition
5 or 6 of the same family, ^{to hemorrhage} where ~~there~~
more of their
parents and ancestors had been affected
by those diseases. The Consumption in
like manner affects not only a whole
family of children, but even servants
~~and~~ who live under the same roof
with them. In the last instance con-
-tagion is called in, to account for its
spreading so generally in a family; but
why ascribe this filial disease in ^{one} ~~one~~
case to contagion, and not in the
Others that have been mentioned?
Scarcely no One will admit Epilepsy, palsy
or Hemorrhage to be contagious diseases.

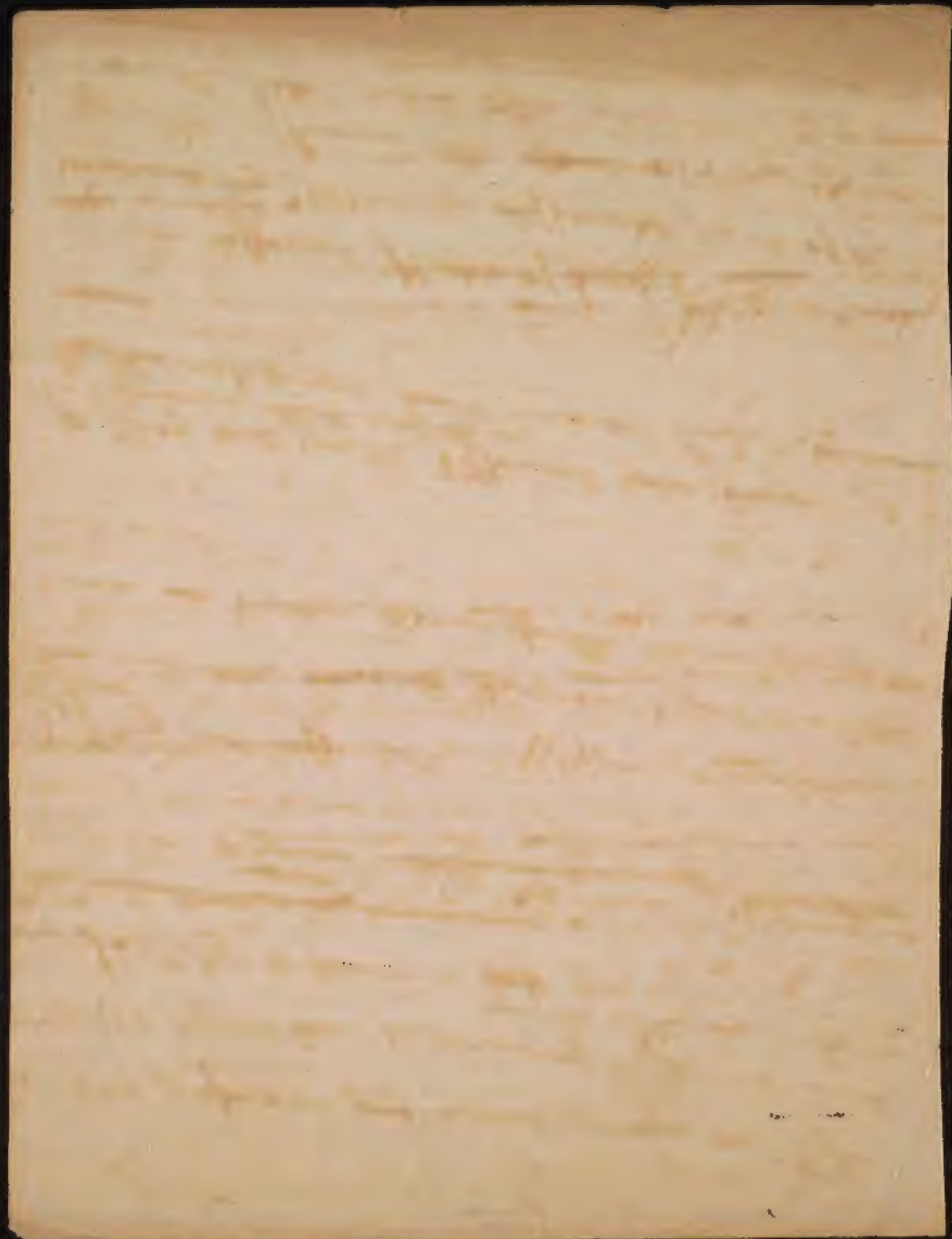
Cutis and above all Head Ache. A

Physician should never forget in Chronic Diseases to inquire whether they have been hereditary. If they have, they will be more difficult to cure, than if they had been acquired. It would be a good custom for ~~Physicians~~ every person to record the history of all their Chronic and acute diseases and of the remedies that relieved them for the benefit of their children - for it ^{has been observed} ~~is remarkable~~ that there are certain ~~for~~ receipts or remedies which ~~for~~ relieve or cure in certain families that will not in others.

Besides congenial, & hereditary diseases there are what I have called filial diseases. These are acquired by a whole family from

in the extrinetics. 359
[The ^{histories of} ~~departs~~ from Great Britain.] ~~The accounts~~
it in modern books appears to be taken
from D^r Sydenham who wrote at a time
when the manners of the Citizens of London
were nearly ^{similar to ours} ~~upon a footing with~~ perhaps
this may be the reason why Stimuli are
said to be used with more safety in Britain
~~in every species of~~ ^{the} ~~Govt~~ ^{in Britain} than in America.

But the human Constitution ^{below} has fallen
below the strength that is necessary to produce even
^{a person of} an Atomic Govt, & the indolence - luxury
& extravagant passions of people in high life
show themselves in hysterics - Hippocri-
-diazis - melancholly - Dyspepsy - Syncope -
& Asphyxia. - Should the influence of
these great & general causes of ^{debility} ~~diseases~~
continue to increase in ^{of} Britain, the
ranks of Society will soon be marked
with as much accuracy by the diseases





an ~~exclusive~~ ^{faith} confidence in false
 systems of Physic, an injurious ^{ci.} con-
 fidence in the operations of nature, &
 in Quacks have ~~produced~~ entailed ma-
 ny diseases upon the human body.

1. False systems of Physic. To enumerate
 all of them would be to give a history
 of Medical opinions from Hippocrates
 down to Dr Brown. — I shall only
 remark that ~~in the course of the last~~ ^{since the deposition of the}
 Authority of Galen in the Schools of Physic
~~century, the pleasure friends of Hel-~~
 ly Paracelsus there has been a succession
 of ~~open~~ systems of medicine all of which
 have introduced a practice more or less
~~fat~~ injurious or fatal to the human

that are peculiar to them, as by peculiar manners, or even titles. - The pany diseases that were last named, will become the badges of the first order of ^{Nobility} ~~of dignity~~. They will be the exclusive ~~dis~~ The govt ~~is~~ with all its ^{of topical affections} numerous symptoms, will belong exclusively to the 2nd order of Nobility, ~~as~~ to commonness, & to independent country gentlemen, while fevers will belong wholly to the common people. But even these natural diseases will be subdivided between two classes of people. - The ^{poor} ~~feverish~~ ^{plebs} will designate the well fed citizen, and ~~personal~~ mechanic, while the pneumonia - & Rheumatism, & all other inflam^y fevers will be the ^{characteristics} ~~badges~~ ^{chimney sweeps -} of porters - sailors - soldiers & all the other persons who fill the ^{lowest} ~~humble~~ ranks in society. When this time shall

viz Pneumonias

+ ~~But these~~ Even these Diseases, in Jamaica
now occur without not only full or
hard pulse, but without fever, & yet
they have been so acute as to end fatally.
Dr Quier p: 180

arrive, a ~~child~~ child who has the mis-
 fortune to be descended from a parent who
 has died with either of the vulgar inflam-
 matory ^{cases} disorders that has been named, will blush
 to own it, nearly as much as ^{he} would ^{to}
 his to own that his father ~~was~~ ^{is} filled one of
 the most humble or menial offices of
 life, or his liberty to the clemency of ~~your~~
~~merciful~~ society. + go on to p 364 x

+ In passing from the febrile to the
 venous diseases, it will be necessary to
 remark - ^{for} that motion of every kind in
 the animal system depends upon stimuli.

- They begin - preserve - & support animal
 life - ^{in every} ~~and~~ animal body. 2^{ly} Health ap-
 - pears to depend upon the ^{an} ~~due~~ balance between
 preserved between the action of stimuli -
 and the powers of the system. 3^{ly} Diseases
 are occasioned by excess, or defect of action
 in consequence of the loss of this balance.
 This excess & defect of action are produced



with 364

more especially ^{with} the production of inflam^y.
fever from relative cold, & the action
of the air upon the debilitated body,
upon its coming out of the cold bath.

From this view of our Subject, it
appears that ^{in different degrees} Stimuli - are the causes of Life
Health & Diseases. They are in the ^{animate,} animal,
what Attraction is in the inanimate, &
w: Love is in the moral world. - I am
the more ^{disposed to embrace} ~~pleased with the~~ adopting single
principles in each of these departments of
the works of the great Creator, inasmuch
as it leads us to discover more of the infinity
of his wisdom in producing effects so various,
~~and~~ so infinitely multiplied, from ^{such} single
causes. -

o Let us now apply these principles -

x In the simple ages of infancy, morbid
^{or infantile} Stimuli produce ^{morbid or infantile} ~~cases of~~ action in the
Arterial System. hence the origin of ~~all~~
~~the~~ generation of fevers. -

¶ The truth of the principles may be further
illustrated by taking another view of our
Subject. Grief in a Yeoman, or peasant
produces a fever. In a person of the 2nd rank
in society, it produces melancholly, or
madness - but in a person of the first
rank, whose system is so excitable that he
is ready "to die of a rose in aromatic
pain": hidden grief often produces syncope
or sudden death. Again - a Yeoman, or
a peasant keeps up the excitement of his
system by boiled meat - apple pie & with no
other beverage than milk & water. A Country
Gentleman requires for the same purpose ^{temperate} ~~boiled~~
-ted meat - and wine or malt liquors. ^{whole} ~~when~~
the effeminate Nobleman is kept alive
only by the stimulus of the richest sauces &
spices - mixed ^{the} in his food - together with ^{rich} ~~expensive~~
glazes of spirits in the form of liquors, ^{rich} ~~the~~

As men advance in luxury & the refinements
of civilized life, the same stimuli produce
^{morbid} ~~causes of~~ defect of action in the arterial
& nervous system - hence the origin of the
^{apoplexy - palsy - gout} ~~gout~~ - and all its numerous train of ^{morbid} ~~affectional~~ symptoms which affects the
blood vessels & nervous systems.

But when luxury - indolence - and extra-
-vagant passions have obtained a further in-
-fluence over the body - the ~~action of stimuli~~
resources of the system are so far exhausted,
^{is same} ~~that stimuli produce~~ ^{morbid} ~~defect of~~
^{chiefly} ~~action~~ ^{- hence - the} only in the nervous system, ^{of hysteria - hypochondriasis - Epilepsy &c.}

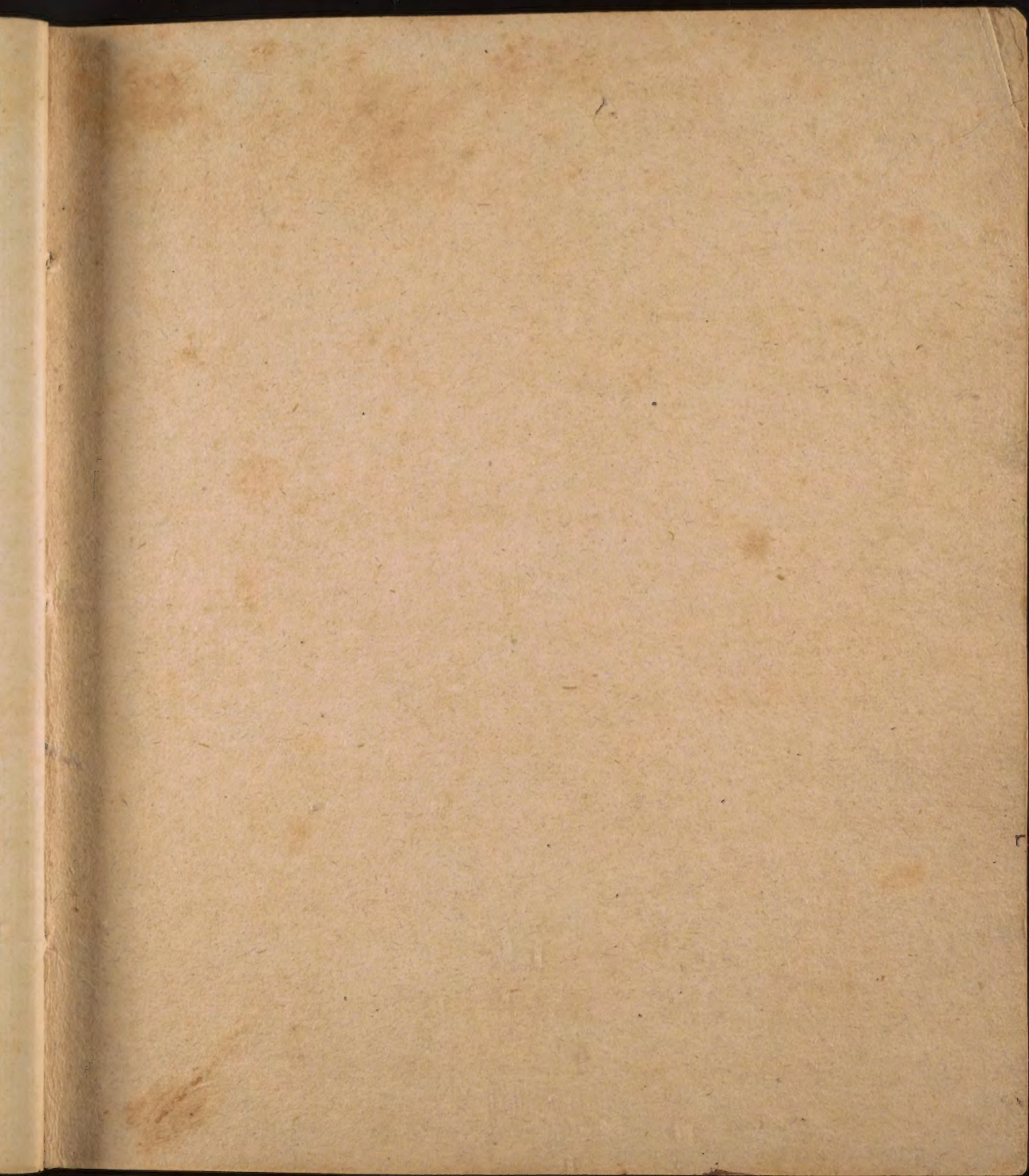
In the last degree stage of debility
produced by effeminate manners - the same
^{no morbid} ~~defect of~~ stimuli produce, only syncope & asphyxia. -
^{marasmus - tabes &c.} ~~marasmus - tabes &c.~~

✓ The prevalence of nervous diseases were
not ~~only~~ to mark the ranks of the first
orders of Society, but the characters of parti-
-cular nations. - ^{from} ~~from~~ the bills of mortality
of the diseases ^{of the} ~~from~~ ancient Jews preserved
in the ~~old~~ new testament it is evident they

these are often insufficient to ~~be~~ rouse the
~~fallen remains~~ of his excitability - hence
we read in Mydone's travels of an Italian
Marquis who kept himself upon his feet
in a morning walk ~~was~~ only the use of
a smelling bottle. - In selecting these ~~three~~^{three}
Orders of people - I do not forget that ^{these} are
intemperate & debilitated common people,

as well as sobcast & temperate nobility
^{Gentlemen} in all countries. But these ^{exceptions} ~~common~~ only
confirm the truth of our principles. They
show the uniform & general action of
stimuli upon the human body. I go on
to note on the next leaf.

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Women

They more easily relieve themselves from its baneful effects by shedding tears.

✓ ^{entire} and Drinks
Diet has a powerful influence in dis-

posing the passions to produce diseases. ^{is often} ~~and~~
~~passion~~ of anger it is well known ~~is~~
^{frequently} the offspring of a full animal diet, and
of the intemperate use of wine &ardent spirits.

Climate and season ~~dispo~~ likewise act
dispose the passions to act more or less
powerfully upon the body. ~~A British Officer~~
~~who more diseases are induced in a hot than~~
~~a cold climate, and in summer than in~~
~~winter by the~~ They are most ^{active} ~~benighted~~ in
warmer weather.

10 They act differently ^{from what they do in a} when combined, ~~than~~
^{state} singly, and they are ^{11th} still further
diversified according as they are gratified to the degree
in which they are gratified, or opposed; and

where ^{distracted} ~~restless~~ ^{eyes} ~~from~~ ^{in the middle of} their sleep sleep in the
night, which they treat with erect, during
other parts of the four & twenty hours. -
return to p: 10-8

~~thus~~
Having ^{enumerated} the ^{circumstances}
which influence the ^{morbid} effects of the passions, ^{and}
inducing diseases, I ~~was~~ it may be expected
that I should ~~there~~ name the diseases
that are produced by them, but this would
be to anticipate the subjects of several
had me far from ~~express~~ the objects of
the ^{future} ~~present~~ lectures. I shall barely remark
that the blood fever - ^{consumptions,} ^{apoplexy - palsy,} convulsions - diseases
of the stomach & bowels - visceral obstructions,
^{loss of memory, melancholly, &} ^{madness,} ^{idiocy,} ^{and}
all the frequently brought on by the undue
actions of the passions upon the body. I
do not except the diseases of the mind
that were last mentioned, from this catalogue

